



# Soils in the Environment Fall 2016



**Lecture:** Tuesday/Thursday 1:40-2:55 pm

**Lab (optional):** Tuesdays 3:10-6:00 pm

**Location:** D-231 Science Building, Queens College

**Course summary:** *Discover the complex and fascinating world of soils, the most biologically diverse ecosystems on Earth. Soils sustain humanity through critically important ecosystem services including the production of food and fiber, the remediation of pollutants and the contribution to climate change mitigation. This course will introduce the most active part of the Critical Zone, where geology, hydrology, biology and chemistry interact to form the surface layer of the Earth that sustains all terrestrial life. We will learn about the basic chemical, physical and biological properties and processes in soils. This course has an optional, hands-on lab (1 additional credit). **Requisites** include 1-2 semesters of Geology and Environmental Science; 1 semester of Chemistry and/or Biology is preferred.*

**Instructor:** Professor Jeff Bird

Registration information for EES PhD students:

EES 79903 - lecture only (CRN # 32934) 3 cr.

EES 79904 - lecture + lab (CRN # 32933) 4 cr.

MA/MS credit can be arranged through the School of Earth & Environmental Sciences at Queens College

Contact Professor Bird more information at [jbird@qc.cuny.edu](mailto:jbird@qc.cuny.edu)